

PENDING CLAIMS WITH ENTRY OF THE AMENDMENT

78. (As filed) A peptide of fewer than 30 amino acids, which binds more than one DR allele, the peptide comprising a sequence of the formula $R_1-R_2-R_3-R_4-R_5$, proceeding from the amino terminus to the carboxyl terminus, wherein

R_1 is a D- or an L-amino acid followed by alanine or lysine;

R_2 is selected from the group consisting of cyclohexylalanine, tyrosine and phenylalanine;

R_3 is 3 or 4 amino acids, wherein each amino acid is independent selected from the group consisting of alanine, isoleucine, serine, glutamic acid and valine;

R_4 is tryptophan-threonine-leucine-lysine; and

R_5 consists of 2 to 4 amino acids followed by a D- or an L-amino acid residue, wherein each of the 2 to 4 amino acids is independently selected from the group consisting of alanine, serine and valine.

79. (As filed) The peptide of claim 78, wherein the amino terminus and the carboxyl terminus of the peptide comprise D-amino acids.

80. (Amended) A peptide of fewer than 30 amino acids, which peptide binds more than one DR allele, the peptide comprising a sequence of the formula $X_1X_2X_3X_4X_5X_6X_7X_8X_9X_{10}X_{11}X_{12}X_{13}$ (SEQ ID NO:23), wherein:

X_1 is a D- or L-amino acid;

X_2 is an amino acid selected from the group consisting of: A and K;

X_3 is an amino acid selected from the group consisting of: (X), Y or F, wherein (X) is cyclohexylalanine;

X_4 , X_5 and X_6 are amino acids independently selected from the group consisting of: A, I, S and V;

X_7 is the amino acid W;

X_8 is the amino acid T;

X_9 is the amino acid L;

X_{10} is the amino acid K;

X_{11} and X_{12} are amino acids independently selected from the group consisting of: A, S and V; and

X_{13} is a D- or L-amino acid.

81. (Amended) The composition of claim 80, wherein the peptide (SEQ ID NO:24) further comprises X_{14} , which is a D- or L-amino acid; and

X_{13} is an amino acid selected from the group consisting of A, S and V.

82. (Amended) The composition of claim 81, wherein the peptide (SEQ ID NO:25) further comprises X_{15} , which is a D- or L-amino acid; and

X_{14} is an amino acid selected from the group consisting of A, S and V.

83. (As filed) The peptide of claim 80, wherein the amino terminus and the carboxyl terminus of the peptide comprise D-amino acids.

In the Claims:

Claims 80, 81 and 82 have been amended as follows:

80. (Amended) A peptide of fewer than 30 amino acids, which peptide binds more than one DR allele, the peptide comprising a sequence of the formula $X_1X_2X_3X_4X_5X_6X_7X_8X_9X_{10}X_{11}X_{12}X_{13}$ (SEQ ID NO:23), wherein:

X_1 is a D- or L-amino acid;

X_2 is an amino acid selected from the group consisting of: A and K;

X_3 is an amino acid selected from the group consisting of: (X), Y or F, wherein (X) is cyclohexylalanine;

X_4 , X_5 and X_6 are amino acids independently selected from the group consisting of: A, I, S and V;

X_7 is the amino acid W;

X_8 is the amino acid T;

X_9 is the amino acid L;

X_{10} is the amino acid K;

X_{11} and X_{12} are amino acids independently selected from the group consisting of: A, S and V; and

X_{13} is a D- or L-amino acid.

81. (Amended) The composition of claim 80, wherein the peptide (SEQ ID NO:24) further comprises X_{14} , which is a D- or L-amino acid; and

X_{13} is an amino acid selected from the group consisting of A, S and V ~~and~~.

82. (Amended) The composition of claim 81, wherein the peptide (SEQ ID NO:25) further comprises X_{15} , which is a D- or L-amino acid; and

X_{14} is an amino acid selected from the group consisting of A, S and V.